

Comprehensive Plan Cost Table Version 15 Costs through July 28, 2017	UAO COST ESTIMATE JULY 2012	EXPENDED TO DATE POST SETTLEMENT 07/28/2017	COST TO COMPLETE REMAINING 2017-2021	TOTAL COST AT COMPLETION IN 5 YEARS	TOTAL COST AT COMPLETION WITH CONTINGENCIES	% Contingency	Cost to complete with contingency	Volume to be Removed (cu. yds)	FUNDING NEEDED 2017	FUNDING NEEDED 2018	Table 2.1 Comprehensive Plan Cost Comparison		FUNDING NEEDED 2019	FUNDING NEEDED 2020	FUNDING NEEDED 2021	SUBTOTAL FUNDING REQUIRED	2022	2023	2024	TOTAL (Cost to Complete Remaining Includes below the line LTM costs)	RFP date	Start	Finish	NOTES
											FUNDING NEEDED 2019	FUNDING NEEDED 2020												
Project Complete in 5 Years																								
Mass/DEP Funding		\$ 600,000	\$ 1,000,000	\$ 1,000,000	\$ 1,600,000	0%	\$ 1,000,000		\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 1,000,000				\$ 1,000,000.00				2014-2021 - ETD for 3 years - Needs verification from 3/9/17 meeting - based on EPA comment
USA CE Funding		\$ 3,900,000	\$ 8,300,000	\$ 12,200,000	\$ 13,420,000	10%	\$ 9,130,000		\$ 2,750,000	\$ 2,750,000	\$ 1,210,000	\$ 1,210,000	\$ 1,210,000	\$ 1,210,000	\$ 1,210,000	\$ 9,130,000				\$ 9,130,000.00				Per Corps - \$3.9M (2014-2016), 2.9M (2017-2018) \$1.1M/yr (2019 - 2021)
Pro-Serv Contract (WGM/Monit)		\$ 7,500,000	\$ 12,500,000	\$ 20,000,000	\$ 22,000,000	10%	\$ 13,750,000		\$ 2,750,000	\$ 2,750,000	\$ 2,750,000	\$ 2,750,000	\$ 2,750,000	\$ 2,750,000	\$ 2,750,000	\$ 13,750,000				\$ 13,750,000.00				assumes \$2 RM/yr - cost provided by Corps
Intertidal		\$ 78,400,783	\$ -	\$ 57,621,620	\$ 57,621,620	20%	\$ 59,145,945			\$ 34,572,972	\$ 34,572,972					\$ 69,145,945				\$ 69,145,944.56	12/1/2017	5/1/2018	6/1/2019	Assume work start in 3/18 and is fully funded and east and west sides done simultaneously, totaled using below two items. Costs based upon engineers estimate \$1284.50/yd, incl excavation, restoration, T&D -based on Generic Work Plan.
	UH Intertidal			\$ 43,210,058				35,130																Costs based upon engineers estimate \$1138/yd, incl excavation, restoration, T&D - revised based on Generic Work Plan.
	Parcel 205	\$ 2,229,750	\$ -	\$ 2,229,750	\$ 2,229,750	0%	\$ -																	Not included in UAO estimate
	PMC	\$ 6,898,709	\$ 439,300	\$ 7,338,060	\$ 7,691,319	5%	\$ 400,278									\$ -				\$ -				UAO included this with intertidal volume. CTC includes SES, T&D, restoration, demob
	LH		\$ 278,114	\$ 278,114	\$ 333,737	20%	\$ 333,737	230								\$ -				\$ -	12/1/2017	3/1/2018	6/1/2018	Not Contracted; Assumes 230 cu yds from North Street property only.
	BIB		\$ 918,985	\$ 918,985	\$ 1,010,884	10%	\$ 1,010,884	760								\$ -				\$ -	5/1/2018	9/30/2018	10/29/2018	Not Contracted; Assumes 760 cubic yards @ .8876/yd
	Marsh Island	\$ 3,380,452		\$ 2,282,220	\$ 2,282,220	10%	\$ 2,510,442									\$ -				\$ -	4/1/2017	8/1/2017	11/1/2017	Work is contracted. Cost from RAC TCR3 negotiated proposal june 30 2017 - less management time
Aerovox			\$ -	\$ -	\$ -		\$ -																	
	Aerovox Interim Cap		\$ -	\$ 4,800,000	\$ 4,800,000	30%	\$ 6,240,000		\$ 6,240,000							\$ 6,240,000				\$ 6,240,000.00	12/1/2017	5/1/2018	7/1/2018	Not Contracted. Assumed 3 ft carbon sand cover (per Corps direction). Temporary solution does not complete final remedy.
	Interim Cap LTM			\$ 750,000	\$ 750,000	20%	\$ 900,000			\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 180,000	\$ 720,000	\$ 180,000.00			\$ 900,000.00				Not Contracted. Assumed annual berthing and sampling of cover and reporting. No replacement costs.
Cell 1		\$ 23,956,630		\$ -	\$ -		\$ -																	
	Cell 1 Interim Remedy			\$ 1,000,000	\$ 1,000,000	20%	\$ 1,200,000			\$ 1,000,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 100,000	\$ 100,000	\$ 1,200,000				\$ 1,200,000.00	1/1/2018	6/1/2018	6/1/2022	Not Contracted. Assumed temporary AS/SVE for reduction of C/O/Cs.
Full Demob		\$ 7,977,325	\$ -	\$ 5,785,480	\$ 5,785,480	35%	\$ 7,810,370				\$ 3,250,000	\$ 3,250,000	\$ 1,310,370	\$ 1,310,370	\$ 1,310,370	\$ 7,810,370				\$ 7,810,370.47	10/1/2016	1/1/2019	1/1/2023	CTC from May 2016 Jacobs proposal. Contingency based upon undefined future status and necessary improvement of Areas C and D.
Dredge & Fill LHCC		\$ 39,838,604		\$ -	\$ -	0%	\$ -																	
	Construct CAD Cell		\$ 9,563,000	\$ -	\$ 9,563,000	0%	\$ -									\$ -								Complete - UAO costs for all work related to CAD Cell, less the \$11.3M from EPA HQ (need to verify if paid back)
	Dredge and Fill LHCC - Jacobs		\$ 14,155,772		\$ 14,155,772	0%	\$ -									\$ -								complete
Pre-BV - UH & LH to LHCC Mechanical - Jacobs		\$ 4,663,907	\$ 462,280	\$ 5,126,187	\$ 5,126,187	0%	\$ 462,280		\$ 462,280			\$ 462,280				\$ 462,280				\$ 462,279.84				Work is complete, pending final invoicing. UH and LH Mech dredge - MU 25, 26, silt curtains, Moby Dick.
UH & LH to LHCC Mechanical - Jacobs (37 CAD)			\$ 1,060,000	\$ 1,000,000	\$ 1,000,000	10%	\$ 1,166,000			\$ 462,280			\$ 3,591,942	\$ 3,591,942	\$ 3,591,942	\$ 18,700,000.00				\$ 18,700,000.00		6/1/2017	5/1/2018	One plant, 120 days ( 37CAD), includes current Jacobs costs
	Dredge and Fill LHCC - BV		\$ -	\$ 14,915,983	\$ 14,915,983	0%	\$ 14,915,983	\$ 18,700,000								\$ 18,700,000				\$ 18,700,000.00		6/1/2017	5/1/2018	Per USACE Email (3/16/17) changed from \$18M to \$17M. Fixed Cost Contract estimate
	Survey Contract - BV		\$ -	\$ 700,000	\$ 700,000	0%	\$ 700,000	\$ 700,000								\$ 700,000				\$ 700,000.00		6/1/2017	5/1/2018	Per USACE Email (3/16/17) changed from \$600k to \$700k. Based on award to Bryant
	Between the Bridges Subtotal		\$ -	\$ 2,573,520	\$ 2,573,520	10%	\$ 2,830,872	12,868		\$ 2,830,872						\$ 2,830,872				\$ 2,830,872.00	5/1/2018	11/2/2018	10/29/2018	Negotiated and Awarded; added fee in Rev-9
	Dredge Cleanup Passes - Jacobs			\$ 3,380,000	\$ 3,380,000	10%	\$ 3,718,000	10,900		\$ 3,718,000						\$ 3,718,000				\$ 3,718,000.00	2/1/2018	6/1/2018	11/1/2018	10% cleanup passes, based on BV CTC
	Cap LHCC	\$ 5,780,303	\$ -	\$ 5,100,000	\$ 5,100,000	18%	\$ 5,992,500						\$ 5,992,500			\$ 5,992,500				\$ 5,992,500.00	11/1/2018	12/1/2019	1/1/2020	Cost estimate from EPA. Cost need to be revised, requires a small group meeting discussion prior to cost estimate revision.
MECHANICAL DREDGE																								
	MU-22		\$ 102,720	\$ 102,720	\$ 112,992	10%	\$ 112,992	514			\$ 112,992					\$ 112,992				\$ 112,992.00				Includes 4 inches overdredge (513.6 yds to LHCC, avg conc of removed material is 55.6 ppm)
	MU-26		\$ 990,000	\$ 990,000	\$ 1,089,660	10%	\$ 1,089,660	4,953			\$ 1,089,660					\$ 1,089,660				\$ 1,089,660.00				Includes 4 inches overdredge (4953 yds to LHCC, avg conc of removed material is 80.6 ppm)
	MU-29		\$ 2,565,440	\$ 2,565,440	\$ 2,821,984	10%	\$ 2,821,984	12,627			\$ 2,821,984					\$ 2,821,984				\$ 2,821,984.00				Includes 4 inches overdredge (12627.2 yds to LHCC, avg conc of removed material is 56.3 ppm)
	PMC		\$ 3,648,800	\$ 3,648,800	\$ 4,013,680	10%	\$ 4,013,680	18,244			\$ 4,013,680					\$ 4,013,680				\$ 4,013,680.00				Includes 4 inches overdredge (Removal of sediment >150ppm,18244 yds removed)
	Area L		\$ 1,645,200	\$ 1,645,200	\$ 1,699,720	10%	\$ 1,699,720	7,726			\$ 1,699,720					\$ 1,699,720				\$ 1,699,720.00				Includes 4 inches overdredge (7726 yds to LHCC)
	Area P		\$ 634,800	\$ 634,800	\$ 618,280	10%	\$ 618,280	4,174			\$ 618,280					\$ 618,280				\$ 618,280.00				Includes 4 inches overdredge (4174 yds)
	Area R		\$ 2,365,200	\$ 2,365,200	\$ 2,623,720	10%	\$ 2,623,720	11,526			\$ 2,623,720					\$ 2,623,720				\$ 2,623,720.00				Includes 4 inches overdredge (11526)